

Applicant: Oppermann et al.  
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In the Claims:

CM 28. (Twice amended) A protein, produced by expression of recombinant DNA in a host cell and isolated from said host cell [substantially free of other contaminating proteins], comprising a pair of polypeptide chains disulfide bonded to form a dimeric species, each of said pair of polypeptide chains having less than 200 amino acids in a sequence sufficiently duplicative of the sequence of [COP5 or COP7] :

I T900X  
COP5 1      10      20      30      40  
LYVDF SDVGWDDWIVAPPGYQAFYCHGECPFPLAD

50      60      70

HFNSTNHAVVQTLVNSVNSKIPKACCVPTELSA

80      90      100

ISMLYLDENEKVVLKNYQEMVVEGCGCR

COP7 1      10      20      30      40  
LYVDF SDVGWNDWIVAPPGYHAFYCHGECPFPLAD

50      60      70

HLNSTNHAVVQTLVNSVNSKIPKACCVPTELSA

80      90      100

ISMLYLDENEKVVLKNYQEMVVEGCGCR

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PS such that said dimeric species has a conformation capable of inducing bone and cartilage formation when implanted in a mammal in association with a matrix.

new  
rule  
In claim 85, line 1, after "comprising" insert --a pair of polypeptide chains disulfide bonded to form a dimeric species, at least one of said polypeptide chains comprising--.

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